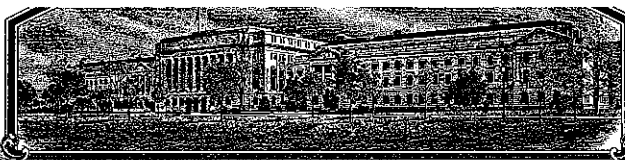


No.

200400222



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Commonwealth Scientific and Industrial Research Organization

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS; A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLACEMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE SAID APPLICANT(S) TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PROPAGATING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED IN THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'FM 800RR'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-fourth day of March, in the year two thousand and five.

Attest:


Commissioner
Plant Variety Protection Office
Agricultural Marketing Service


Secretary of Agriculture

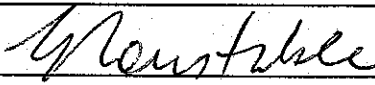


U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER Commonwealth Scientific and Industrial Research Organisation		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME FMX190RR		3. VARIETY NAME FM 800RR	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) Limestone Avenue Campbell ACT 2612 Australia		5. TELEPHONE (include area code) (026) 799-1584		FOR OFFICIAL USE ONLY PVPO NUMBER 200400222 FILING DATE MAY 14, 2004	
		6. FAX (include area code) (026) 799-2427			
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) Government		8. IF INCORPORATED, GIVE STATE OF INCORPORATION		9. DATE OF INCORPORATION	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Susan J. Mack Sughrue Mion PLLC 2100 Pennsylvania Avenue, N.W. WASHINGTON, DC 20037-3213				FILING AND EXAMINATION FEES: \$ 3652.00 DATE 5/14/04 CERTIFICATION FEE: \$ 432.00 DATE 2/4/05	
11. TELEPHONE (include area code) (202) 293-7060		12. FAX (include area code) (202) 293-7860		13. E-MAIL smack@sughrue.com	
14. CROP KIND (Common Name) Cotton		16. FAMILY NAME (Botanical) Malvaceae		18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION. 95-045-01p	
15. GENUS AND SPECIES NAME OF CROP Gossypium hirsutum		17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)				20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 63(a) of the Plant Variety Protection Act) <input type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input checked="" type="checkbox"/> NO (If "no", go to item 23)	
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)				21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)				22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)					
25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.					
SIGNATURE OF OWNER 		SIGNATURE OF OWNER			
NAME (Please print or type) Gregory A. Constable		NAME (Please print or type) Gregory A. Constable			
CAPACITY OR TITLE Program Leader		DATE May 13, 2004		CAPACITY OR TITLE Program Leader	
				DATE	

(See reverse for instructions and information collection burden statement)

INSTRUCTIONS

200400222

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvpindex.htm>

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 <http://www.ams.usda.gov/lsg/seed.htm>.

ITEM

- 19a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
(2) the details of subsequent stages of selection and multiplication;
(3) evidence of uniformity and stability; and
(4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
(1) identify these varieties and state all differences objectively;
(2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
(3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

USA: First sold 2004

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

US Patents include: 5,633,435; 5,500,365; 5,424,200; 5,359,142; 5,352,605; 5,322,938; 5,196,525; 5,188,642; 5,164,316; 4,940,835 and 4,535,060.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

This Response is in reply to your e-mail Information Request dated June 22, 2004. The Information Request set a date for reply of July 22, 2004.

First Sale:

The first sale in the U.S. for FM 800RR was January 31, 2004.

There have not been any sales to date in Australia for FM 800RR.

The Pedigree:

The pedigree of E1100 is as follows: 'Sicala V-1' x 'Siokra 1-4'.

E1100 has been granted Plant Breeders Rights in Australia under the name 'Siokra V-16'.

Variety: 'Siokra V-16'

Application No.: 1997/261

Granted: March 31, 1999

Description published in Plant Varieties Journal: Volume 11, Issue 2.

A full description is available at "www.daff.gov.au/pbr".

REPLACEMENT
7/23/04

**EXHIBIT A
ORIGIN AND BREEDING HISTORY
OF THE VARIETY**

1. NAME OF APPLICANT(S) Commonwealth Scientific and Industrial Research Organisation	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER FMX190RR	3. VARIETY NAME FM 800RR
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) Limestone Avenue Campbell ACT 2612 Australia	5. TELEPHONE (Include area code) +61 2 67991584	6. FAX (Include area code) +61 2 67992427
	7. PVPO NUMBER 20040 0 222	

In 1994, line CPI135389 containing the Roundup Ready® gene was imported from Monsanto Corp. USA. This line was crossed with line E1100 and four subsequent backcrosses were done at ACRI, Narrabri, using E1100 as the recurrent parent. Following a selfing generation in the glasshouse approximately 80 plants were selected in the field in 1997/98 on the basis of resistance to glyphosate herbicide, leaf hair, disease resistance, lint % and fibre quality. Following progeny row testing for yield, disease resistance and fibre quality, 17 lines proceeded to replicated, multi site trials. Over the seasons of trialing to date, emphasis has been placed on yield and fibre quality under full season and dryland production systems and resistance to verticillium wilt.

FM 800RR has been observed for five generations of reproduction and during the seed increase period and is stable and uniform. No variants were observed.

The Pedigree:

The pedigree of E1100 is as follows: 'Sicala V-1' x 'Siokra 1-4'.

E1100 has been granted Plant Breeders Rights in Australia under the name 'Siokra V-16'.

Variety: 'Siokra V-16'

Application No.: 1997/261

Granted: March 31, 1999

Description published in Plant Varieties Journal: Volume 11, Issue 2.

A full description is available at "www.daff.gov.au/pbr".

EXHIBIT B
STATEMENT OF Distinctness

1. NAME OF APPLICANT(S) Commonwealth Scientific and Industrial Research Organisation	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER FMX190RR	3. VARIETY NAME FM 800RR
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) Limestone Avenue Campbell ACT 2612 Australia	5. TELEPHONE (Include area code) +61 2 67991584	6. FAX (Include area code) +61 2 67992427
	7. PVPO NUMBER 20040 0 222	

'FM 800RR' IS MOST SIMILAR TO 'DP 20B' AND 'DP 555BR'.

PER EMAIL OF 9/3/04
LAW

The following table describes how FM 800RR differs from its comparators, DP 20B and DP 555BR. FM 800RR is okra leaf while both comparators are normal leaf; FM 800RR does not contain the Bollgard® gene while both comparators do; FM 800RR does contain the Roundup Ready® gene and DP 20B does not; FM 800RR has a greater height to first fruiting branch than DP 20B but less than DP 555BR; FM 800RR has a greater number of nodes to the first fruiting branch than DP 20B; FM 800RR is shorter than DP 555BR; FM 800RR has longer fruiting branch first internodes than DP 20B and DP 555BR; FM 800RR has longer peduncles than DP 20B; FM 800RR has greater stigma distance above stamens than both DP 20B and DP 555BR.

Table of distinguishing characters

	FM 800RR	DP 20B	DP 555BR
Leaf type	Okra	Normal	Normal
Bollgard® gene	Absent	Present	Present
Roundup Ready® gene	Present	Absent	Present
Height to first fruiting branch (cm)			
Mean	18.79	15.33	22.84
Range	12.8-23.9	12.7-19.5	11.2-30.0
LSD (1%)	1.35		
Significance		P ≤ 0.01	P ≤ 0.01
Nodes to first fruiting branch			
Mean	7.03	5.63	7.00
Range	6.4-7.6	4.4-7.5	6.4-7.9
LSD (1%)	0.31		
Significance		P ≤ 0.01	NS
Plant height (cm)			
Mean	85.7	81.8	94.2
Range	74.5-95.2	74.0-87.4	82.7-107.4
LSD	4.04		
Significance		NS	P ≤ 0.01
Fruiting branch first internode (mm)			
Mean	127.1	109.9	115.0

Range	94.7-154.1	78.6-135.0	80.2-151.9
LSD	8.14		
Significance		$P \leq 0.01$	$P \leq 0.01$

20040 0 222

Peduncle length (mm)			
Mean	21.0	18.5	19.0
Range	18.0-25.6	15.2-23.4	15.4-23.7
LSD	1.98		
Significance		$P \leq 0.01$	NS
Stigma distance above stamens (mm)			
Mean	8.7	-0.7	2.3
Range	8.1-9.6	-1.9-0.8	2.0-2.9
LSD	0.44		
Significance		$P \leq 0.01$	$P \leq 0.01$

Plant morphology data was obtained from a pooled analysis based on the following two trials:

BCSI Research Station, Leland MS, 2003. Conditions: field grown irrigated trial with conventional management. Trial design: 15 entry trial in a row and column design with six replicates and 14m plots. Morphological measurements on 10 plants from each plot.

Australian Cotton Research Institute, Narrabri, NSW, 2002/03 summer. Conditions: field grown irrigated trial with conventional management. Trial design: 15 entry trial in a row and column design with six replicates and two rows x 14m plots. Morphological measurements on 10 plants from each plot.

Analysis of variance procedures were used to obtain least significant difference statistics at the 1% level.

EXHIBIT C
(COTTON)

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY COTTON (*Gossypium* spp.)

NAME OF APPLICANT(S) Commonwealth Scientific and Industrial Research Organisation	TEMPORARY DESIGNATION FMX190RR	VARIETY NAME FM 800RR
ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code) Limestone Avenue Campbell ACT 2612 Australia		FOR OFFICIAL USE ONLY PVPO NUMBER 20040 0 222

Place the appropriate data that describes the varietal characteristic of this variety in the space provided. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Royal Horticultural Society or any recognized color fan may be used to determine plant colors. Characters marked with an asterisk * indicate necessary characters to be measured.

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: Use standard regional check varieties which are adapted to your area. One of the comparison varieties must be the most similar variety used in Exhibit B.

Variety 1. DP 20B Variety 2. DP 555BR

*1. SPECIES:

☒ *G. hirsutum* L.

☐ *G. barbadense* L.

*2. AREA(S) OF ADAPTATION: (A = Adapted, NA = Not Adapted, NT = Not Tested)

NT Eastern	NT Delta	A Central
NT Blacklands		
NT Plains	NT Western	NT Arizona
Other (Specify): _____		
NT San Joaquin		

3. GENERAL: General Plant Type.

	Application Variety	Comparison Variety 1	Comparison Variety 2	Comparison Variety 3
Plant Habit:				
Spreading, Intermediate, Compact	Intermediate	Compact	Intermediate	_____
Foliage:				
Sparse, Intermediate, Dense	Intermediate	Intermediate	Intermediate	_____
Stem Lodging:				
Lodging, Intermediate, Erect	Intermediate	Erect	Erect	_____
Fruiting Branch:				
Clustered, Short, Normal	Normal	Short	Normal	_____
Growth:				
Determinate, Intermediate, Indeterminate	Intermediate	Determinate	Indeterminate	_____

3. GENERAL: (continued)

Leaf Color:

Greenish yellow, Light green,

Medium green, Dark green

Medium green**Medium green****Medium green**

20040 0 222

Boll Shape: Length less than width,

Length equal to width,

Length more than width

Length > Width**Length > Width****Length > Width****Boll Breadth:** Broadest at base,

Broadest at middle

Broadest at middle**Broadest at middle****Broadest at middle**

*4. MATURITY: (50 % Open bolls; Preferred method; Describe method if different method was used.)

Date of 50 % open bolls

September 16**September 12****September 16**

5. PLANT:

cm to 1st Fruiting Branch:

(from cotyledonary node)

18.79**15.33****22.84****No. of Nodes to 1st Fruiting Branch:**

(excluding cotyledonary node)

7.0**5.6****7.0****Mature Plant Height cm:**

(cotyledonary node to terminal)

85.7**81.8****94.2**

*6. LEAF: Upper most, fully expanded leaf.

Type: Normal, Sub Okra,

Okra, Super Okra

Okra**Normal****Normal****Pubescence:** Absent, Sparse,Medium, Dense OR Trichomes/cm²

(Bottom surface excluding veins)

Sparse**Sparse****Sparse****Nectaries:** Present or Absent**Present****Present****Present**

*7. STEM PUBESCENCE:

Glabrous, Intermediate, Hairy

Intermediate**Intermediate****Intermediate**

*8. GLANDS: (Gossypol) Absent, Sparse, Normal, More Than Normal

Leaf:**Normal****Normal****Normal****Stem:****Normal****Normal****Normal****Calyx Lobe:** (normal is absent)**Normal****Normal****Normal**

*9. FLOWER:

Petals: Cream, Yellow**Cream****Cream****Cream****Pollen:** Cream, Yellow**Cream****Cream****Cream****Petal Spot:** Present, Absent**Absent****Absent****Absent**

*10. SEED:

20040 0 222

Seed Index:

(g/100 seed, fuzzy basis)

11.0

10.0

8.0

Lint Index:

(g lint/100 seeds)

7.6

6.4

6.5

*11. BOLL:

Lint Percent:

_____ Picked

_____ Pulled

OR

Gin Turnout:

☒ Picked

☐ Stripped

40.9

39.0

44.8

Number of Seeds per Boll

29.6

32.1

33.2

Grams Seed Cotton per Boll

5.4

5.2

4.7

Number of Locules per Boll

4.4

4.3

4.3

Boll Type:

(Stormproof, Storm Resistant, Open) **Open**

Open

Open

12. FIBER PROPERTIES:

Specify Method (HVI or other):

HVI

* Length: (inches, 2.5% SL)

1.18

1.12

1.15

* Uniformity: (%)

85.0

83.2

83.0

* Strength, T1 (g/tex)

31.6

25.9

26.5

* Elongation, E1 (%)

5.9

8.7

7.0

* Micronaire:

4.3

4.8

4.6

Fineness (Source _____)

Yarn Tenacity: (cN/tex, 27 tex)

Yarn Strength: (lbs. 22's)

13. DISEASES: (NT = Not Tested, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant)

NT <i>Alternaria macrospora</i>	NT Fusarium Wilt
NT Anthracnose	NT Phymatotrichum Root Rot
NT Ascochyta Blight	NT <i>Pythium</i> (specify species)
R Bacterial Blight (Race 1)	NT <i>Rhizoctonia solani</i>
R Bacterial Blight (Race 2)	NT Southwestern Cotton Rust
R Bacterial Blight (Race 18)	NT Thielaviopsis basicola
NT Diplodia Boll Rot	MR Verticillium Wilt
____ Other (specify) _____	

14. NEMATODES, INSECTS AND PESTS: (NT = Not Tested, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant)

NT Root-Knot Nematode	NT Reniform Nematode
NT Boll Weevil	NT Grasshopper (specify species): _____
NT Bollworm	NT Lygus (specify species): _____
NT Cotton Aphid	NT Pink Bollworm
NT Cotton Fleahopper	NT Spider Mite (specify species): _____
NT Cotton Leafworm	NT Stink Bug (specify species): _____
NT Cutworm (specify species): _____	NT Thrips (specify species): _____
NT Fall Armyworm	NT Tobacco Bud Worm
____ Other (specify): _____	

15. COMMENTS: Present any additional information that cannot adequately be described in 1 through 13 which significantly distinguishes your variety.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) Commonwealth Scientific and Industrial Research Organisation	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER FMX190RR	3. VARIETY NAME FM 800RR
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) Limestone Avenue Campbell ACT 2612 Australia	5. TELEPHONE (Include area code) +61 2 67991584	6. FAX (Include area code) +61 2 67992427
7. PVPO NUMBER 20040 0 222		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain.

☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country.

☐ YES ☒ NO Australia10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (If needed, use the reverse for extra space):

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 6 minutes per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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